

ABSTRACT

The present invention provides a method of bonding a fluoroelastomer layer to a silicone rubber layer, the method comprising the steps of:

5 (i) providing a layer of a curable fluoropolymer composition comprising (a) a fluoropolymer capable of being dehydrofluorinated thereby forming reactive sites, (b) a dehydrofluorinating agent, (c) a curing agent capable of cross-linking said fluoropolymer through reaction with said reactive sites and (d) a peroxide;

(ii) contacting said layer of said curable fluoropolymer composition with a curable
10 silicone layer comprising a silicone resin and a peroxide;

curing said layers while being in contact with each other at conditions sufficient to (a) cause dehydrofluorination of said fluoropolymer and cross-linking of said fluoropolymer layer and (b) cross-linking of said silicone resin, said curing being carried out in the presence of a bonding promoter selected from the group consisting of an organic compound having one or more
15 nucleophilic groups capable of reacting with said reactive sites of said fluoropolymer or having a precursor of said nucleophilic groups and one or more functional groups selected from ethylenically unsaturated groups, siloxy groups having at least one hydrolysable group and mixtures thereof, said bonding promoter being present in said layer of curable fluoropolymer and/or said curable silicone layer. Further provided are a laminate for use in the above method
20 and articles that can be obtained with the method.